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Regular meetings of this lodge every

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scribers to the lodge are admitted to

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ise of Demonstrating That

It Richly Deserves the Name

Heretofore Given to It.

The Solution of a Mineral Problem Ap-

parently Found, the Key to It Being

in a Mammoth Sulphide Dyke, Rich

in Gold and Copper.

Copper Basin has for years been a

puzzle to mining men. Every one

who has visited that section, and who

has made a study of it has come

away impressed with the fact that

a big mine would some day be discovered

there. The basin proper, or the

lowest part of the immense area of

country surrounded by high moun-

tains is mainly with copper, while

deposits of conglomerate in copper

have also been found and worked.

Several years ago the Commercial

Mining Co. spent probably a quarter

of a million dollars in developing

some of these deposits and in building

an immense smelting plant, which

was afterwards burned down, when

they abandoned the field. They en-

countered rich ore or deposits of rich

copper bearing rocks, but experienced

difficulty in treatment which partially

influenced them in not resuming

operations after the fire. The ore

taken out by them was found lying

in a sort of blanket form and not in

well defined ledges, and all indica-

tions are that it was the result of a

flow from some other point rather

than the formation of ledge matter in

place. The puzzle to mining men

has been to learn where this flow of

copper which so thoroughly impreg-

nated the conglomerate came from.

The only reasonable answer to the

problem was that an immense dyke

must exist somewhere in the

vicinity from which it came.

After several weeks of the most

systematic prospecting of the moun-

tain sides and gulches, higher up in

the basin, by W. W. Munds, Thomas

W. Kyle and Geo. A. Beach, they dis-

covered what they consider the solu-

tion of the problem, in an immense

sulphide dyke, running in a northerly

and southerly direction. This dyke

varies in width from 100 to 300 feet.

One wall is granite and the other por-

phyry and the capping is of iron,

burned in many places, by a combina-

tion of chemicals or from some other

agency. The dyke contains no prom-

inent outcroppings and at such

places as these do occur, there is

nothing to indicate the existence of

mineral bearing rock to an inexperi-

enced eye, and even an expert, un-

perceived prospector, would pass it

by unnoticed. Mr. Munds has had

twenty-five years practical experience

in mining and prospecting and

also made a study of the subject

theoretically, through extensive read-

ing on geological formations, so far as

it pertains to mining, and as stated,

after weeks of thorough investigation

was able to locate the boundaries of

this dyke, a very difficult task, as will

be seen by any one looking over the

ground, on account of its being cov-

ered in most places, both by a thick

layer of earth as well as by a dense

growth of brush. A gulch in one

place cuts across it and exposes both

walls very plainly, as will be seen

MINES AND MINING.

The Springer, N. M., Stockman, re-

ports that a steam dredge at work at

Elizabethtown on a project bed cleans

up \$400 in gold every day.

W. H. Ferguson has gone to Big

Bug to do assessment work on some

claims owned by him and Boston

parties.

Jules Baumann returned last evening

from a brief visit to the

Baumann Copper company's camp.

He has six men employed in the

camp and he says that work is pro-

gressing very satisfactorily at present.

Assessment work is being done

on the claims of the group. He says

the shaft on the Arizona claim, the

most southerly claim on the group is

down fifty feet and the ore is the

full width of the shaft. He says that

the ore looks fine and is coming in

more solid with every foot of work

done, and it is increasing in richness

as well.

The directors of the Sonora Milling

& Mining Co. recently made a very

complete prospecting of their mine at

Tubutama, Sonora, Mexico. In the

prospectus is embodied the report of

E. M. Ray, a synopsis of which was

given in the Citizen last week. The

report of W. E. Duff, the expert

mining engineer from Phoenix, in his

report Mr. Duff estimates that there

are 75,000 tons of ore in sight. He

states that the ore is of a high grade

and is very massive and plainly

visible for over 1,000 feet in length

and fully 80 feet in width. He be-

lieves that the ore can be mined at

a very low cost. If the ore is of a

high grade, a Noguera expert, after

a number of experiments, reports that

the ore can be milled for \$2.00 per

ton. At this rate the mine will be

profitable for over 1,000 feet in length

and fully 80 feet in width. He be-

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